

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A 292.9
5035
RESERVE

SNOW SURVEYS

and WATER SUPPLY OUTLOOK for

ALASKA



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

ALASKA SOIL CONSERVATION DISTRICT



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: THE SNOTEL PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



FEDERAL - STATE - PRIVATE

SNOW SURVEYS AND WATER SUPPLY OUTLOOK FOR ALASKA

Issued by

NORMAN A. BERG
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

WEYMETH E. LONG
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
ANCHORAGE, ALASKA

Report prepared by

GEORGE P. CLAGETT, Snow Survey Supervisor
MARC P. LITTLE, Hydrologist
and
JOYCE H. TOBER, Secretary

SOIL CONSERVATION SERVICE
2221 EAST NORTHERN LIGHTS BLVD., RM. 129
ANCHORAGE, ALASKA 99501



WEIGHING SNOW PACK WATER CONTENT, KENAI PENINSULA

ALASKA SUMMARY
as of
MAY 1, 1980

Only a fringe of an area bordering the Gulf of Alaska received an average or better-than-average increment of new snowfall during April. The dry trend which began during March in the Southcentral region was duplicated in the rest of the state this month. This same dry trend has been winter-long over much of the Interior.

The Kenai Mountain snowpack continues to accumulate record-setting amounts. Other snow-heavy areas (such as the Chugach and Talkeetna Mountains) finally tapered off somewhat, percentagewise, during April.

To date, the breakup season in the Interior is notably early and easy. South-central drainages with mountain headwaters can expect a long and heavy snow-melt run-off season.

The area summaries are as follows:

KOYUKUK DRAINAGE

The snowpack in the Brooks Range decreased from 15% above average on April 1st to 20% below average on May 1st.

YUKON DRAINAGE

The Yukon Territory reports the snowpack to be above average upstream of Whitehorse, but tapering off to the north. Snow in the Dawson area is approximately 40% below average, similar to downstream areas in Alaska.

TANANA-CHENA DRAINAGES

Most snow courses were bare of snow at survey time. A rapidly receding snowpack was measured at a few mountainous locations. The Chena River is expected to produce the least amount of streamflow measured in the last 20 years, even 10% less than flowed in 1978.

COPPER DRAINAGE

Most low elevation courses have dropped off significantly, percentagewise, due to an early breakup and a lack of April precipitation. The Chugach and Talkeetna Ranges, however, still have an extremely heavy snowcover.

SUSITNA DRAINAGE

At survey time, meltwater was passing through the snowpack at all measurement sites below 3500 feet. The snowcover was completely gone at Talkeetna and Willow, while the surrounding mountains still had a heavy snowpack.

MATANUSKA DRAINAGE

Percentagewise, the Matanuska drainage has one of the heaviest snowcovers reported. Snow in the vicinity of Chickaloon Pass is maximum of record, and double the normal amount for May 1st. Areas such as Sutter, which have experienced snowmelt flooding in recent years, should be geared for more of the same.

UPPER COOK INLET

This area also received far less than the usual amount of snowfall during April. This has resulted in a 12% reduction in the forecasted streamflow for Ship Creek for the April-July period. Nevertheless, the forecasted flow is expected to be the greatest in the last 14 years, slightly topping the 1977 record year.

KENAI PENINSULA

This region continues to have the heaviest snowcover in the state. The Bridge Creek courses, just behind Homer, indicate a reservoir of snowpack-stored water, covering thousands of acres, 2 feet deep and 80 % above average. This will result in a snowmelt run-off period of unusual magnitude and duration that will coincide with many of the popular salmon sport fisheries on the Peninsula.

PRINCE WILLIAM SOUND

Percentage-wise, this region has the second heaviest snow cover in the state. Valdez is indicative of the low elevation snowpack, where rapid snowmelt has reduced the pack to well below normal for May 1st. On the other hand, snow in the mountains range up to 70% above normal.

SOUTHEAST

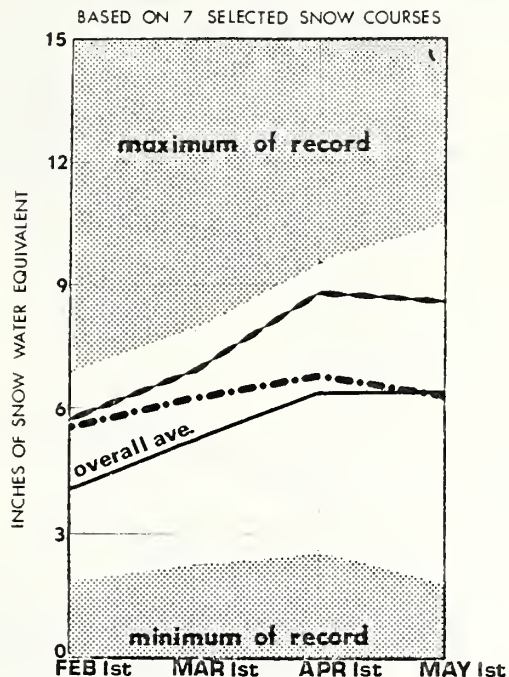
Low elevation snowcover is non-existent or well below average. Four stations near Juneau and Petersburg, at elevations between 1000 and 1600 feet, report a significant snowpack; however, they have too short a record for historical comparison. All report less snow for May 1st than last year.

STREAMFLOW FORECASTS

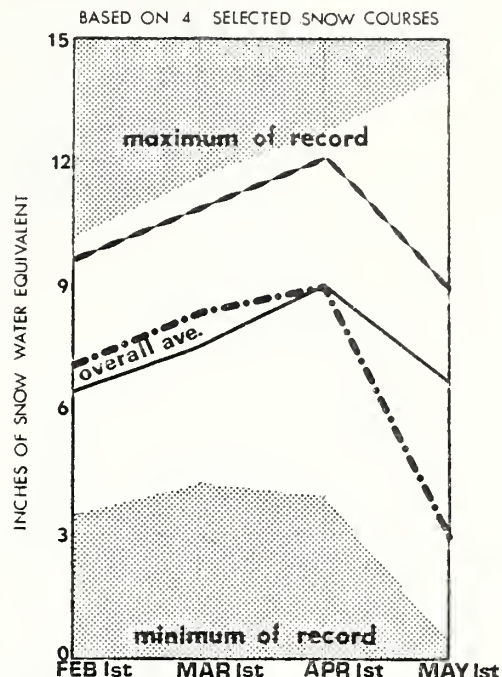
BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year ^{2/}	Average ⁺
YUKON RIVER at Eagle	31,000	89%	Apr-July	42,282	34,800*
PORCUPINE RIVER at Ft. Yukon	5,600	76%	Apr-July	5,020	7,400*
SALCHA RIVER near Salcha	300	45%	Apr-July	777	677
CHENA RIVER at Fairbanks	225	44%	Apr-July	542	516
LITTLE CHENA R. near Fairbanks	42	48%	Apr-July	92	87*
YUKON RIVER at Ruby	55,200	85%	Apr-July	NA	64,700
SHIP CREEK near Anchorage ^{1/}	96	174%	Apr-July	75	55
SOUTH FORK CAMPBELL CREEK at Canyon Mouth near Anchorage	18.5	150%	Apr-July	NA	12.3
^{1/} Measured flow adjusted for diversion					
^{2/} Provisional data, subject to revision					
+ 1964-1978 period					
* Estimated					
	3				

REGIONAL SNOWPACK SUMMARY

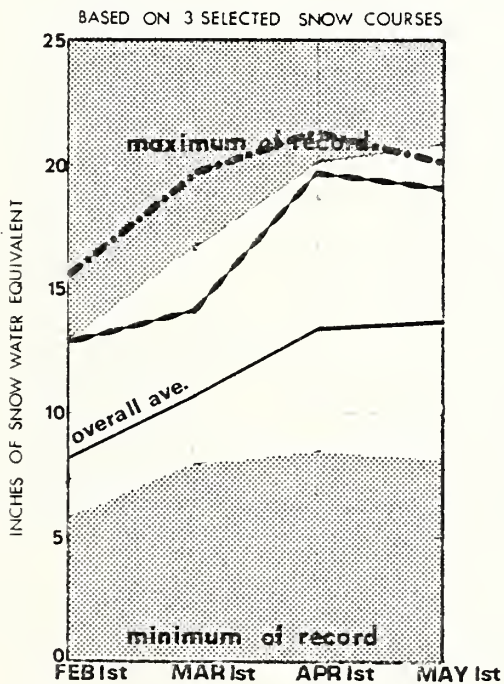
UPPER SUSITNA WATERSHED SNOWPACK



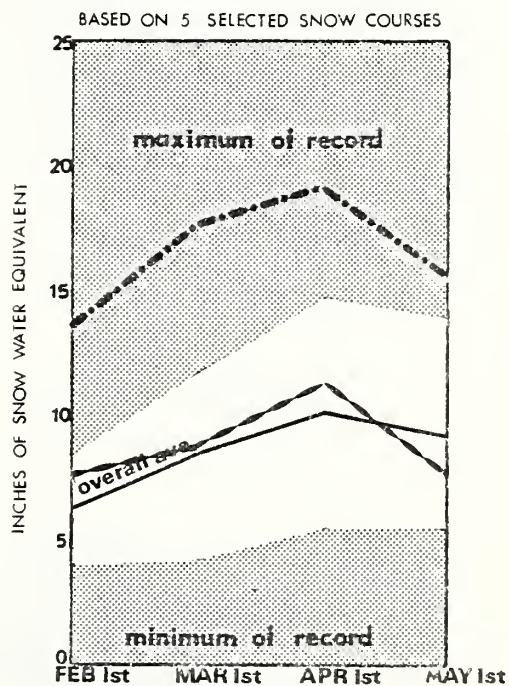
LOWER SUSITNA WATERSHED SNOWPACK



SHIP CREEK WATERSHED SNOWPACK



KENAI PENINSULA WATERSHED SNOWPACK



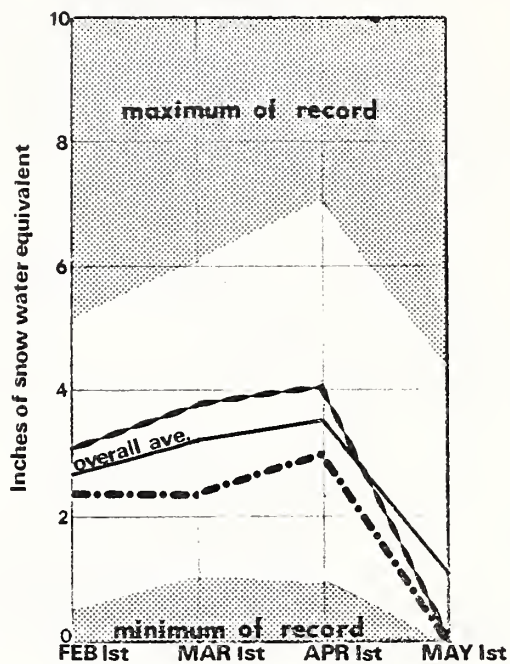
LEGEND

— 1979 DATA
- - - 1980 DATA

REGIONAL SNOWPACK SUMMARY

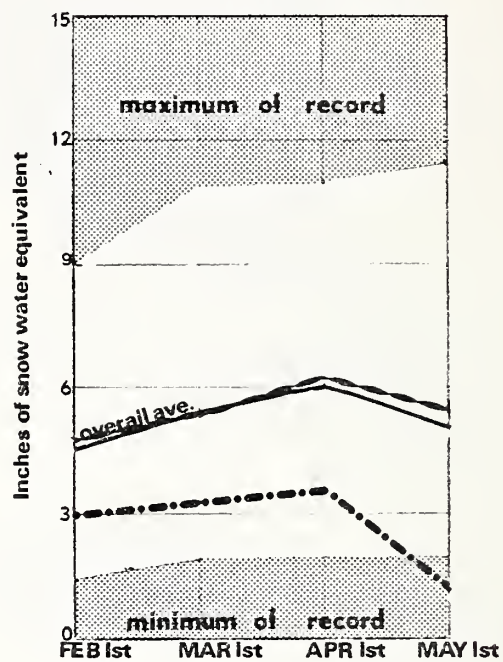
TANANA VALLEY WATERSHED SNOWPACK

Based on 5 selected snow courses



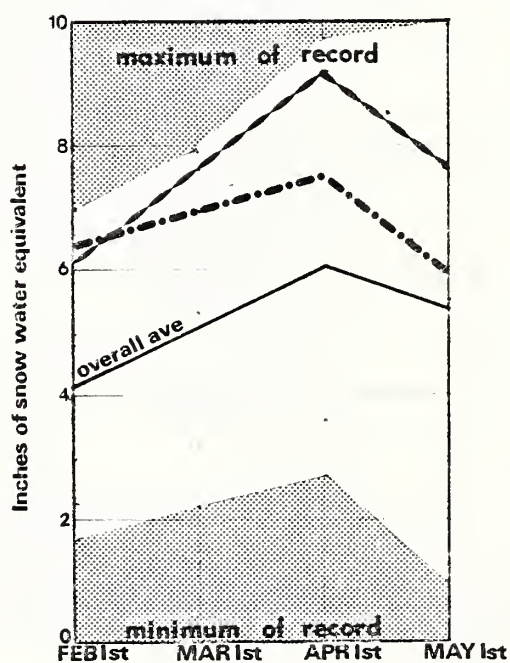
CHENA RIVER WATERSHED SNOWPACK

Based on 9 selected snow courses



COPPER RIVER WATERSHED SNOWPACK

Based on 9 selected snow courses



LEGEND

- 1979 DATA
- - - 1980 DATA

SNOW

DRAINAGE BASIN and or SNOW COURSE			THIS YEAR			LAST YEAR		HISTORICAL AVERAGE		
			Date of Survey	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Years of Previous Record
NAME	Number	Elevation								
DELAYED APRIL 1 DATA:										
SOUTHEAST:										
Cropley Lake	94	1650	3/31	81	26.6	89	37.3	--	---	3
Eagle Crest	95	1000	4/3	54	19.3	63	27.8	--	---	3
Fish Creek	96	500	4/3	28	9.8	30	10.0	17	5.5	4
AS OF MAY 1, 1980										
KOYUKUK DRAINAGE:										
Coldfoot	109	1000	4/30	21	5.5	NO SURVEY		24	5.9	8
Dietrich River	110	1550	5/1	8	1.4	NO SURVEY		10	2.2	7
Prospect Creek	108	980	4/30	17	3.8	NO SURVEY		21	5.1	8
Table Mountain	111	2200	5/1	16	3.2	NO SURVEY		18	4.3	6
YUKON DRAINAGE:										
Five-Mile Camp	106	400	4/30	12	3.1	NO SURVEY		14	3.4	8
Hess Creek	126	1000	4/30	6	1.4	NO SURVEY		--	---	--
Log Cabin (B.C.)	105	2880	4/27	47	16.6	33	12.3	37	11.7	22
Thirty Mile	107	1300	5/3	24	5.8	NO SURVEY		25	5.9	5
TANANA-CHENA DRAINAGE:										
Big Delta	52	980	4/28	0	0.0	0	0.0	1	0.3	14
Bonanza Creek	66	1150	N O	S U R V E Y		6	1.6	15	3.6	10
Caribou Creek	68	1440	N O	S U R V E Y		0	0.0	9	3.6	7
Caribou Creek Snow Pillow	69	1025	N O	S U R V E Y		0	0.0	8	2.2	8
Caribou Mine	55	1115	N O	S U R V E Y		18	4.9	15	4.5	13
Cleary Summit	64	2230	4/25	8a	1.9e	23	5.8	28	7.2	18
Colorado Creek	63	750	N O	S U R V E Y		6	1.6	11	3.0	14
Fielding Lake	49	3000	4/29	39	11.1	55	18.7	45	13.1	19
Fort Greeley	50	1420	4/28	0	0.0	0	0.0	5	1.2	12
French Creek	53	2010	4/28	0	0.0	20	6.7	20	5.8	17
Granite Creek	51	1240	4/28	0	0.0	1	0.2	4	1.0	11
Haystack Mountain	67	1950	N O	S U R V E Y		NO SURVEY		29	7.5	6
Jack River	138	2450	4/29	22	6.3	14	4.3	--	---	--
Little Chena Bottom	New	1100	5/1	0	0.0	0	0.0	--	---	--
Little Chena Ridge	62	2200	4/25	2a	0.4e	21	5.1	22	6.0	15
Little Chena Slope	New	1460	5/1	0	0.0	15	4.6	--	---	--
Little Salcha	54	1500	4/28	0	0.0	15	4.8	14	4.0	16
Lower Chena	59	2000	4/25	10a	2.2e	21	4.7	19	3.8	4
Mentasta Pass	47	2430	4/29	8	1.8	27	8.7	20	5.9	18
Monument Creek	60	1900	5/1	0	0.0	21	4.4	22	5.2	4
Mt. Ryan	61	2750	4/25	16a	3.3e	38	8.4	33	8.5	16
Munson Ridge	56	3100	4/25	35a	9.8e	56	18.2	50	15.2	18
Teuchet Creek	57	1640	4/25	3a	0.6e	13	3.8	10	2.7	6
Tok Junction	46	1650	4/29	0	0.0	0	0.0	5	1.1	17
Totchaket	New	350	4/25	6e	1.2e	--	---	--	---	--
Upper Chena	58	3000	4/25	21a	4.4e	37	9.0	32	8.9	11
Upper Chena Pillow	New	2850	N O	S U R V E Y		--	---	--	---	--
Yak Pasture	65	540	N O	S U R V E Y		0	0.0	6	1.7	18
COPPER RIVER DRAINAGE:										
Haggard Creek	48	2540	4/29	18	4.1	35	12.1	24	5.5	13
Kenny Lake School	New	1400	4/29	8	2.0	--	---	--	---	--
Little Nelchina	31	4160	4/29	38a	10.7e	30a	9.6e	27	6.6	11
Mankomen Lake	45	3150	5/1	22	4.1	NO SURVEY		28	7.0	13
St. Anne Lake	28	1990	4/29	19a	5.3e	6a	2.0e	11	2.8	14
Sanford River	27	2280	4/29	8a	2.0e	9a	2.7e	11	3.0	13
Tsaina River	35	1500	4/29	63	23.5	42	13.8	41	13.8	8
Worthington Glacier	36	2400	4/29	99	39.0	58	21.8	58	23.1	22
a - aerial marker reading e - estimated										

- FOR PERIOD OF RECORD

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			LAST YEAR		HISTORICAL AVERAGE [†]		
NAME	Number	Elevation	Date of Survey	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Years of Previous Record
MATANUSKA-SUSITNA DRAINAGE:										
Alexander Lake	18	200	4/29	19a	4.6e	31a	10.2e	30	9.5	14
Bald Mountain Lake	23	2150	4/29	33a	11.0e	35a	9.8e	35	9.6	15
Chelatna Lake	20	1650	4/29	36a	11.5e	34a	11.5e	36	10.6	14
Chunilna River	137	1750	4/29	43a	15.0e	NO SURVEY		--	---	--
Clearwater Lake	26	3100	4/29	7a	1.7e	21a	6.5e	18	4.6	15
Devil's Canyon	124	1350	4/29	39a	12.5e	34a	9.5e	--	---	--
Dutch Hills	New	3100	4/29	99a	38.5e	--	---	--	---	--
			5/4	95a	38.5e					
Fog Lakes	24	2120	4/29	16a	4.2e	32	8.3	24	6.1	10
Independence Mine	33	3300	4/30	67	27.4	102	37.6	68	25.7	10
Kashwitna River Cirque	130	3900	D E L A Y E D	D A T A	--	--	---	--	---	--
Lake Louise	29	2400	4/29	17	4.6	12	3.4	15	3.5	15
Little Willow Creek	128	2100	D E L A Y E D	D A T A	--	--	---	--	---	--
Monahan Flat	25	2710	4/29	27	7.0	39	9.4	32	7.9	15
Middle Fork Iron Creek	134	4750	D E L A Y E D	D A T A	--	--	---	--	---	--
Oshetna Lake	30	2950	4/29	16	4.2	14	4.4	16	3.7	15
Peters Hills	21	2010	4/29	54a	20.0e	49a	16.6e	55	17.0	12
Rainbow Lake	136	1350	D E L A Y E D	D A T A	--	--	---	--	---	--
Ramsdyke Creek	New	2100	4/29	86a	33.0e	--	---	--	---	--
			5/4	74a	29.8e					
Sheep Creek Cirque	131	3000	D E L A Y E D	D A T A	--	--	---	--	---	--
Sheep Mountain	34	2900	4/29	33	9.5	21	7.3	18	4.7	8
Sheep River	132	4100	D E L A Y E D	D A T A	--	--	---	--	---	--
Skwentna	19	160	4/29	22	7.2	35	11.5	22	7.4	13
Talkeetna	22	350	4/29	0	0.0	NO SURVEY		20	6.4	12
Talkeetna River	135	2250	D E L A Y E D	D A T A	--	--	---	--	---	--
Talkeetna River Pass	133	5100	D E L A Y E D	D A T A	--	--	---	--	---	--
Tokositna Valley	New	850	4/29	48a	15.8e	--	---	--	---	--
			5/4	43	14.4					
Upper Kashwitna River	130	4300	D E L A Y E D	D A T A	--	--	---	--	---	--
Willow Airstrip	32	150	4/29	0	0.0	19	6.8	11	3.4	13
UPPER COOK INLET:										
Arctic Ski Bowl	5	3000	4/30	41	18.0	55	21.9	40	13.3	15
Arctic Valley #1	1	500	4/30	0	0.0	0	0.0	1	0.3	14
Arctic Valley #2	2	1000	4/30	0	0.0	4	1.2	2	0.7	14
Arctic Valley #3	3	2030	4/30	2	0.5	29	10.4	13	3.5	15
Arctic Valley #4	4	2330	4/30	3	1.1	29	10.4	16	4.3	15
Bird Creek	8	2350	5/1	73	32.2	57	22.3	55	19.8	13
Eagle's Nest	New	4050	5/1	107	43.0	--	---	--	---	--
Gravel Bar	New	3200	5/1	87	37.2	--	---	--	---	--
Indian Pass	7	2350	5/1	83	35.3	86	33.9	68	24.7	13
McArthur	17	120	4/29	57a	26.0e	34a	12.2e	44	15.7	13
Mt. Alyeska	10	1200	N O	S U R V E Y	--	89	35.2	--	46.1	7
N. Fork Ship Creek	New	3600	5/1	65	24.5	--	---	--	---	--
Raven Ridge	New	1200	5/1	27	10.7	--	---	--	---	--
Ship Creek	6	1750	5/4	45	16.4	43	15.1	35	11.2	13
S. Fork Campbell Creek	9	1200	5/1	0	0.0	25	7.9	18	5.7	7
PRINCE WILLIAM SOUND:										
Lowe River	37	550	4/29	51	19.0	44	15.3	37	13.4	8
Valdez	38	50	4/30	32	14.0	42	16.3	43	17.9	8
KENAI PENINSULA:										
Bertha Creek	11	850	5/1	78	29.0	?	15.0	49	17.5	9
Bradley Cirque	New	3350	N O	S U R V E Y	--	NO SURVEY		--	---	--
Bridge Creek, Lower	16	1100	4/29	70	24.8	NO SURVEY		41	13.8	7
Bridge Creek, Upper	15	1300	4/29	66	23.0	NO SURVEY		42	13.6	7
Demonstration Forest	147	770	4/29	48	16.9	NO SURVEY		20	6.4	4
Fox Creek	145	1500	N O	S U R V E Y	--	--	---	--	---	--
Jean Lake	14	620	4/29	0	0.0	?	0.0	4	1.0	9
Kenai Moose Pens	New	300	5/1	0	0.0	--	---	--	---	--
Kenai Summit	12	1390	5/1	45	19.5	?	8.9	34	11.6	10
a - aerial marker reading e - estimated										

† FOR PERIOD OF RECORD

SNOW

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			LAST YEAR		HISTORICAL AVERAGE		
			Date of Survey	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Years of Previous Record
NAME	Number	Elevation								
KENAI PENINSULA, Continued:										
Moose Pass	13	700	5/1	13	4.8	?	0.0	9	2.6	10
Pass Creek	144	1200	N O	S U R V E Y	--	---	---	--	---	--
Portage Valley	New	50	N O	S U R V E Y	--	---	---	--	---	--
Ptarmigan Hills	New	1200	4/24	147	53.0	--	---	--	---	--
Resurrection Pass	146	2250	N O	S U R V E Y	--	---	---	--	---	--
Windy River	New	950	4/28	64a	25.0e	--	---	--	---	--
SOUTHEAST ALASKA:										
Cropley Lake	94	1650	4/27	73	31.5	78	34.7	--	---	--
Eagle Crest	95	1000	4/27	44	18.0	56	24.8	--	---	--
Fish Creek	96	500	4/27	0	0.0	0	0.0	--	---	2
Speel River	98	280	5/7	39	16.4	61	27.4	70	32.6	14
WYOMING PRECIPITATION GAGES										
				INCREMENT SINCE LAST READING				ACCUMULATIVE TOTAL		
			DATE							
BROOKS RANGE:										
Atigun Camp	125	3400	2/29	0.4				3.8		
			4/2	0.3				4.1		
			5/1	0.2				4.3		
Atigun Pass	123	4900	2/29	1.2				7.9		
			4/2	0.5				8.4		
			5/1	0.4				8.8		
Chandalar Shelf	122	3400	4/2	0.4				4.7		
			5/1	0.6				5.3		
NORTH SLOPE:										
Barrow	115	15	3/15	0.2				2.9		
			4/1	0.2				3.1		
			4/15	0.6				3.7		
Barter Island	117	15	4/9	2.7				2.7		
Jago River	121	550	9/6/79	I N I T I A L		R E A D I N G				
Kavik River	118	200	9/6/79	I N I T I A L		R E A D I N G				
Meade River	116	200	9/1/79	I N I T I A L		R E A D I N G				
			1/2	3.4				3.4		
			3/25	1.0				4.4		
Prudhoe Bay	114	30	1/8	1.1				5.2		
			3/1	0.6				5.8		
			5/1	1.4				7.2		
Sagwon	113	1000	5/2	3.6				3.6		
Toolik River	112	3100	5/2	3.4				3.4		
TANANA-CHENA:										
Murphy Dome	New		1/28	0.6				1.8		
			2/26	0.2				2.0		
			3/25	0.4				2.4		
a - aerial marker reading e - estimated										

+ FOR PERIOD OF RECORD

IMPORTANT NOTICE

WATER SUPPLY OUTLOOK FOR ALASKA

If you wish to continue to receive this publication, detach this page, sign your name in the space below, fold on the heavy line, staple or tape the folded page and mail. If more than one copy of the publication is desired, place the number in the box by your signature.

Signed: _____

Suggestions, comments or remarks: _____

Print or type your name and address on back of this sheet, if it is not there already



(FOLD HERE)

RETURN IF NOT DELIVERED

UNITED STATES
DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
2221 E. NORTHERN LIGHTS BLVD.
ROOM 129
ANCHORAGE, ALASKA 99504

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

SNOW SURVEY SUPERVISOR
SOIL CONSERVATION SERVICE
2221 E. NORTHERN LIGHTS BLVD.
ANCHORAGE, ALASKA 99504

(STAPLE OR TAPE HERE)

W7-L-2-72

(DETACH HERE)

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
2221 E. NORTHERN LIGHTS BLVD. ROOM 129
ANCHORAGE, ALASKA 99504

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*

USDA National Agricultural Library
Current Serial Records, Rm 001
Beltsville, MD 20705